

A-3 Test Stand

GFE Procurement

Statement of Work

The contractor shall provide the appropriate equipment and transportation vehicles needed to deliver **32 Gaseous Nitrogen (GN)** storage vessels to the A3 construction site at Stennis Space Center (SSC) in Hancock County, MS. All vessels will be shipped with all nozzles covered by blind flanges and containing a gaseous nitrogen blanket at 5 psig.

Vessel information is as follows:

The thirty two (32) GN vessels are being fabricated by Taylor Forge Engineering System Inc., Paola, Kansas.

Vessel:	Diameter:	4.5 feet outside diameter
	Length:	85.6 feet, including nozzles at each end
	Weight:	112,000 pounds each

Vessels will have a support saddle base-plates, slightly wider than the vessel O.D., is 4' - 8"

Contractor shall transport the thirty two (32) vessels from the Taylor Forge Engineering System Inc. facility in Paola, Kansas to Stennis Space Center (SSC) A3 Test Facility, Hancock County Mississippi.

Contractor shall be responsible for coordinating vessel pick up and transport times with the fabricator (Taylor Forge Engineering System Inc.). Anticipated fabrication completion dates are provided in Attachment No. 1.

Taylor Forge Engineering System Inc. will provide the loading of vessels, contractor shall provide all necessary equipment to secure and tie down vessel and transport to SSC.

Off load and placement of vessels will not be the responsibility of this contract. Off load of and placement of vessels will be accomplished by the A3 test facility general contractor.

Contractor is also to provide the following information:

September 24, 2009

Insurance and Safety records

Provide copies of certificates of insurance covering liability and workmen's compensation.
Provide a copy of contractor's safety manual.

Capabilities

Provide an equipment list (owned or leased) of suitable equipment available for handling these vessels, including trailers, etc.

Provide a list of equipment that would be rented to handle these vessels.

Provide a list of subcontractors that may be used, along with their capabilities.

Past experience and References

Provide a list of references, including points of contact and telephone numbers, of past transport and handling work of similar sizes, weights and distances completed during the past three years.

In addition the most recent vehicle and trailer and/or railcar inspection certificates – copy of operators certification is required.

1. GENERAL TRANSPORTATION INFORMATION

Name: **National Aeronautics and Space Administration
JOHN C. STENNIS SPACE CENTER**

Address: A 3 Test Complex

Post Office: Stennis Space Center, MS 39529-6000

Location: The two main entrances to SSC are:
I-10 Exit 2, 2 miles from the MS state
line or 70 miles east of New Orleans, LA
and I-59 exit north of The Center in
Nicholson, MS. I-59 runs N-S, while I-10
runs E-W.

2. KEY PERSONNEL

Transportation Officer

Mr. Donald R. Griffith
Code RA30, bldg 1100
228-688-2144

Shipping Specialist

Robin Martin
Code MSS/ABACUS, bldg 2204
228-688-3236

Supervisor Logistics

Marla Carpenter
Code JCWSI, bldg 2204
228-688-1309

3. SHIPPING AND RECEIVING FACILITIES

- A. AIR - Moisant International Airport in New Orleans and the Gulfport/Biloxi Regional Airport provide freight & passenger services.
- B. BUS - Not Available
- C. RAIL - No government trackage available. Norfolk Southern has a line which may be used for transport to Nicholson Mississippi. BEFORE ROUTING ANY RAIL CARS, CLEARANCE MUST OBTAINED THROUGH NORFOLK SOUTHERN INDUSTRIAL DEVELOPMENT GROUP AREA MANAGER FOR MISSISSIPPI IS MIKE GRIM 205-951-4749
- D. TRUCK - Truck shipments accepted 8:00 to 4:00 P.M., Monday through Friday.**
- E. WATER - Channel 12 ft deep from Intercoastal Water Way at mile 35 marker for 24 miles up East Pearl River to navigation lock. Locks are 110 ft wide by 600 ft long with lift of 18 ft. Inside locks, there is 7 ½ miles of canal system with a depth of 16 ft. A cryogenics docks, storage dock and 3 test stand docks available.
Also numerous piling clusters for tie-ups. Also available is a 65 ft diesel twin screw 1240 horse power tug boat. It has a raised wheel house of 52 ft. the pilot is licensed for in-land waterways and western rivers.
- F. HEAVY LIFTS - One crane, 50 ton and numerous smaller cranes.

4. FREIGHT DESTINATION TO BE SHOWN ON BILLS OF LADING

NASA/John C. Stennis Space Center
Attn: Transportation Officer/Bldg 2204
Stennis Space Center, MS 39529-6000

**Attachment #1 - Anticipated fabrication completion dates
of GN Vessels for shipment**

Vessel #	Ship Date
GN Vessel #1	11/03/2009
GN Vessel #2	12/03/2009
GN Vessel #3	12/23/2009
GN Vessel #4	01/05/2010
GN Vessel #5	01/18/2010
GN Vessel #6	01/29/2010
GN Vessel #7	02/11/2010
GN Vessel #8	02/24/2010
GN Vessel #9	03/09/2010
GN Vessel #10	03/22/2010
GN Vessel #11	04/02/2010
GN Vessel #12	04/15/2010
GN Vessel #13	04/28/2010
GN Vessel #14	05/11/2010
GN Vessel #15	05/24/2010
GN Vessel #16	06/04/2010
GN Vessel #17	06/17/2010
GN Vessel #18	06/30/2010
GN Vessel #19	07/13/2010
GN Vessel #20	07/26/2010
GN Vessel #21	08/06/2010
GN Vessel #22	08/19/2010
GN Vessel #23	09/01/2010
GN Vessel #24	09/14/2010
GN Vessel #25	09/27/2010
GN Vessel #26	10/08/2010
GN Vessel #27	10/21/2010
GN Vessel #28	11/03/2010
GN Vessel #29	11/16/2010
GN Vessel #30	11/29/2010

GN Vessel #31	12/10/2010
GN Vessel #32	12/23/2010